

SUMMARY OF SUBCOMMITTEE MEETING

DATE: April 29, 2002 (Revised: May 6, 2002)
TO: Ross Dunfee, Steering Committee Chairman
Tony Barrett, Department of Ecology
COPY: Stormwater Manual Subcommittee Members and Consultant Team
FROM: Doug Busko, DEA and Dave Moss, Tt/KCM
SUBJECT: **Summary of Stormwater Manual Subcommittee Meeting**
Moses Lake Conference Center
April 12, 2002 9:00 am – 3:00 pm
PROJECT: EASTERN WASHINGTON STORMWATER MANAGEMENT
Stormwater Management Technical Manual *and*
Model Municipal NPDES Phase II Stormwater Program

Subcommittee Meeting Attendees:

John Hohman – Spokane County	Paula Cox – Chelan County
Steve Worley – Spokane County	Steve Hansen – City of Spokane
Jocelyne Gray – JUB Engineers	Gary Nelson – Spokane County
Dave Moss – TetraTech	Tony Barrett – Ecology
Greg Lahti – WSDOT	Doug Busko – DEA
Nancy Aldrich – City of Richland	Khalid Marcus – Yakima County
Karen Dinicola – Ecology	Ryan Lyyski – City of Ellensburg
Jack Lynch – Tri-Cities Homebuilders	Gary Beeman – WSDOT
Sandra Levey – Grant County PUD	John Heinley – WSDOT

PURPOSE OF MEETING:

This meeting was held to gather the core subcommittee members and at-large members for:

- Introduction of Issue Paper #3 (Drywells), Erosivity Waiver, and Cost Estimating Process
- Discuss Updated Production Schedule; Review Key Issue Summary
- First review of Chapter 3 (Stormwater Site Plan) and Chapter 6 (Water Quality Facility Design)
- Continued discussion of Issue Papers 1, 2, and 4

AGENDA FOR THIS MEETING:

1. Present and discuss updated schedule for Technical Manual development

2. Present list of key issues for issue papers and each chapter
3. Introduce cost estimating process and components
4. Introduce rainfall erosivity waiver applicability
5. Presentation by DOE on UIC rules and drywells
6. First review of Chapter 3 (Stormwater Site Plan)
7. Lunch
8. Review of Issue Paper #1 (Pollution Generating Impervious Surface threshold) and Issue Paper #2 (Flow control)
9. Introduce Issue Paper #3 (Drywells)
10. Review Issue Paper #4 (Water Quality Design Storm)
11. Review of first draft of Chapter 6 (Water Quality Facility Design)
12. Adjourn Subcommittee meeting

BRIEF SUMMARY OF PROCEEDINGS:

1. Dave Moss presented the agenda and a summary of the March meeting. Steve Worley then requested feedback on the process so far. A summary of the discussion follows:
 - Sandra Levey said these processes take time and then come together.
 - Nancy Aldrich suggested that we need to finish sections one by one.
 - Steve Hansen suggested that we need to follow through with completing issues and chapters.
 - Greg Lahti suggested that a better feedback loop needs to be developed for the smaller issues rather than spending time in the meeting. He also requested more lead time on the documents. Same for Gary Beeman.
 - John Hohman said the drafts aren't complete drafts.
 - Nancy Aldrich said the drafts have too much Western Washington Manual stuff. She requested that DEA edit more heavily before presenting to the group.
 - Paula Cox requested more focus on drier region BMPs. Post chapter revisions right after meeting.
2. Dave presented the schedule for the next couple months and suggested there be two meetings in May, one was previously schedule for May 9; the group agreed a second meeting be held on May 23.
3. Steve Worley reviewed each item on the key issue list that was handed out. The following changes were made to the key issues. A revised issue list will be presented at each meeting.

- Ch. 2 – Change item 2 to NO. Core Elements designation hides that it’s actually a requirement.
 - Ch. 4 – Item 2 not resolved yet.
 - Issue Paper 3 – Add an item stating that drywells will be addressed in UIC and not through NPDES Permit.
4. Dave Moss presented the upcoming cost analysis and the proposal to study eight (8) scenarios. These would cover short plat and small commercial size projects. They would be located in Tri-Cities, Wenatchee, Spokane, and Pullman. Half of the projects would have infiltration and half would have surface discharge. The following items were brought up during the discussion:
 - Gary Nelson wondered why we need the cost analysis. It was noted that many committee members and Ecology had requested it.
 - Nancy Aldrich suggested using larger example parcels. Tony Barrett said smaller parcels were used in Western Washington because the requirements hit those projects harder and the larger projects had economies of scale that would mask the difference between regions. Also the larger projects generally had more extensive resources to estimate costs. So large parcels would not be included at this time.
 - Greg Lahti and Gary Nelson suggested that public works type projects be included.
 - Dave proposed to keep the eight scenarios for now, but to look into adding public works scenarios later depending on budget. This proposal seemed to be agreeable to the group.
 5. Dave Moss presented the rainfall erosivity waiver. There is a waiver in the NPDES Phase II regulations for qualifying 1 to 5 acre sites to be excluded from needing a Phase II permit. Ecology would administer this waiver. The issue paper describes how the waiver applicability is determined and provides an example for Moses Lake. Based on a review of alternative scenarios in Eastern Washington, some general waiver assumptions were proposed. The following items were brought up during the discussion:
 - Steve Worley thought this might be put in the permit rather than the manual.
 - Ryan Lyyski thought it would be good to have in Chapter 7’s Appendix for the manual.
 6. Chapter 3 was reviewed. The chapter will be revised based on the comments.
 7. Tony Barrett brought up the issue of the ~~manual~~ NPDES permit possibly not being ready by March 2003. The Notice of Intent for Phase II communities can be submitted without having the entire program finalized and in-place. That can be part of the permit process and schedule.
 8. Lunch break
 9. Tony presented a discussion of Issue Paper #3 – Drywells. Ecology would like to take Approach #2 – defining what stormwater discharges are going to be allowed to drain to drywells. Tony proposes use CARA susceptibility ratings. Steve Worley cautioned that these ratings may not have been performed in all areas. Tony said that even if the CARA hadn’t been done, then a rating system “how-to” will be provided. Gary Nelson wonders how to characterize the quality of stormwater before a project is built. It was suggested that general characteristics are available based on proposed use.
 10. Issue Paper No. 1 – PGIS Area Threshold was discussed. The consultant will check the scientific basis of the thresholds if any and resubmit the Issue Paper for acceptance into the Draft Manual.

11. Issue Paper No. 2 – Flow Control was discussed. The following items were brought up during the discussion:
- Gary Nelson requested to clarify that this is for flow rate control only. Also add the option to the manual issues list that there could be guidance in the manual for flow control, but this be left to local jurisdictions to deal with flooding issues.
 - Karen Dinicola said that flow control in the Western Washington Manual was intended to address flooding also.
 - Steve Worley thought the paper would be limited to addressing exemptions for large waterbodies.
 - Karen Dinicola said the list of exempted rivers/streams was too large and the flow criteria for exemption should be increased. Other stream factors also need to be taken into account. Steve Worley suggested reviewing Fish and Wildlife Stream Classification System for determining which streams can be exempted.
12. Issue Paper No. 4 – Water Quality Design Storm was discussed. Steve Worley suggested that an option was to just use 0.5 inch of rainfall. Research in the 1970s found that the first flush of a 0.5 inch mobilized the pollutants on the pavement.
13. Chapter 6 was reviewed, in part. The chapter will be revised based on the comments, and reviewed again on May 23rd.

PRELIMINARY AGENDA FOR NEXT MEETING:

The **next meeting** will be at the Moses Lake Conference Center on **May 9, 2002**, from 9am to 3:30pm. The agenda will include:

- Review of Subcommittee agenda and summary from 4/12 meeting
- Review latest schedule and status of key issues
- Finalize Issue Papers 1 and 2
- Brief review of Issue Papers 3 and 4
- Review revised draft of Chapter 2 (Core Elements)
- Lunch break (30 minutes) – *bring your own if you wish*
- Short presentation by Ecology on status of UIC program update
- Review revised draft of Chapter 5 (Infiltration and Detention Design)
- Review revised draft of Chapter 7 (Erosion and Sedimentation Control)
- Steering Committee meeting with Subcommittees

Note: the Manual subcommittee will hold a 2nd monthly meeting on May 23rd in Moses Lake.